

ABSTRACT OF THE DISCLOSURE

This invention relates to an electron optical system array having a plurality of electron lenses.

- 5 The electron optical system array includes a plurality of electrode structures which are arranged along the paths of a plurality of charged-particle beams and have pluralities of apertures on the paths of the plurality of charged-particle beams. At least one of the
- 10 plurality of electrode structures includes a substrate having a plurality of apertures for transmitting the plurality of charged-particle beams, and a plurality of electrodes extending from the side surfaces of the plurality of apertures to the peripheries of the
- 15 plurality of apertures. At least the surface of the substrate is insulated.

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